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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2022-23

Date: 09.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Kanti sweets to New town bus stop -RHS ch:1109 to 1980
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.241	502.3	22.32
2	11.04.2022	09.05.2022	8.263	521.8	23.19
3	11.04.2022	09.05.2022	8.298	541.2	24.05

Note:

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NCC LIMITED BANGALORE

For Civil Experts

Authorised Signature

Asst. Executive Engineer
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BBMP, Bangalore - 92

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Job No.: CECTC/NCC/QC/2022-23 Date: 19.04.2022

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limited**
Name of the work : White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location : Dairy Circle Junction to chikkabommasandra junction ch:1100 to 1570- LHS
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516(Part-1/Sec-1):2021
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2022	19.04.2022	8.198	365.9	16.26
2	12.04.2022	19.04.2022	8.178	374.2	16.63
3	12.04.2022	19.04.2022	8.163	352.8	15.68

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Job No.: CECTC/NCC/QC/2022-23 Date: 10.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle Junction to chikkabommasandra junction ch:1100 to 1570- LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2022	10.05.2022	8.374	549.8	24.44
2	12.04.2022	10.05.2022	8.369	521.6	23.18
3	12.04.2022	10.05.2022	8.374	502.8	22.35

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Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2022-23 Date: 22.04.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle Junction to chikkabommasandra junction ch:1108 to 1747 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	22.04.2022	8.198	365.9	16.26
2	15.04.2022	22.04.2022	8.178	374.2	16.63
3	15.04.2022	22.04.2022	8.163	352.8	15.68

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Job No.: CECTC/NCC/QC/2022-23 Date: 13.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle Junction to chikkabommasandra junction ch:1108 to 1747 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	13.05.2022	8.374	478.2	21.25
2	15.04.2022	13.05.2022	8.369	521.6	23.18
3	15.04.2022	13.05.2022	8.374	502.8	22.35

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Job No.: CECTC/NCC/QC/2022-23

Date: 16.04.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle Junction to new town bus stop LHS & RHS ch:1980 to 1110
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.04.2022	16.04.2022	8.198	362.5	16.11
2	19.04.2022	16.04.2022	8.174	341.2	15.16
3	19.04.2022	16.04.2022	8.198	364.2	16.19

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Job No.: CECTC/NCC/QC/2022-23 Date: 17.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle Junction to new town bus stop LHS & RHS ch:1980 to 1110
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/Sec-1):2021
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.04.2022	17.05.2022	8.298	502.3	22.32
2	19.04.2022	17.05.2022	8.236	532.3	23.66
3	19.04.2022	17.05.2022	8.241	543.2	24.14

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Job No.: CECTC/NCC/QC/2022-23

Date: 10.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.05.2022	10.05.2022	8.123	512.3	22.77
2	03.05.2022	10.05.2022	8.156	521.3	23.17
3	03.05.2022	10.05.2022	8.198	532.6	23.67

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Job No.: CECTC/NCC/QC/2022-23

Date: 31.05.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Bruhath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.05.2022	31.05.2022	8.306	758.6	33.72
2	03.05.2022	31.05.2022	8.336	765.8	34.04
3	03.05.2022	31.05.2022	8.396	732.5	32.56

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Job No.: CECTC/NCC/QC/2022-23

Date: 12.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.05.2022	12.05.2022	8.201	489.3	21.75
2	05.05.2022	12.05.2022	8.226	472.3	20.99
3	05.05.2022	12.05.2022	8.256	489.2	21.74

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Job No.: CECTC/NCC/QC/2022-23

Date: 02.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.05.2022	02.06.2022	8.201	765.2	34.01
2	05.05.2022	02.06.2022	8.226	698.5	31.04
3	05.05.2022	02.06.2022	8.236	721.5	32.07

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Job No.: CECTC/NCC/QC/2022-23

Date: 13.05.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Bruhath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.05.2022	13.05.2022	8.302	521.4	23.17
2	06.05.2022	13.05.2022	8.336	541.3	24.06
3	06.05.2022	13.05.2022	8.341	551.8	24.52

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Job No.: CECTC/NCC/QC/2022-23

Date: 03.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1593 to 1980 RHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.05.2022	03.06.2022	8.326	765.2	34.01
2	06.05.2022	03.06.2022	8.315	698.7	31.05
3	06.05.2022	03.06.2022	8.335	746.5	33.18

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Date: 16.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.05.2022	16.05.2022	8.203	499.8	22.21
2	09.05.2022	16.05.2022	8.222	502.3	22.32
3	09.05.2022	16.05.2022	8.236	532.8	23.68

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CC LIMITED BANGALORE

For Civil Experts

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
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Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2022-23

Date: 06.06.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Bruhath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.05.2022	06.06.2022	8.302	741.3	32.95
2	09.05.2022	06.06.2022	8.336	754.2	33.52
3	09.05.2022	06.06.2022	8.341	741.3	32.95

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Job No.: CECTC/NCC/QC/2022-23

Date: 18.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	18.05.2022	8.321	489.5	21.76
2	11.05.2022	18.05.2022	8.352	512.3	22.77
3	11.05.2022	18.05.2022	8.362	531.2	23.61

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Job No.: CECTC/NCC/QC/2022-23

Date: 08.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.05.2022	08.06.2022	8.278	745.2	33.12
2	11.05.2022	08.06.2022	8.263	765.2	34.01
3	11.05.2022	08.06.2022	8.298	732.3	32.55

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Job No.: CECTC/NCC/QC/2022-23

Date: 19.05.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2022	19.05.2022	8.308	496.5	22.07
2	12.05.2022	19.05.2022	8.326	521.3	23.17
3	12.05.2022	19.05.2022	8.341	502.3	22.32

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Job No.: CECTC/NCC/QC/2022-23 Date: 09.06.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1600 to 1970 LHS
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2022	09.06.2022	8.341	765.2	34.01
2	12.05.2022	09.06.2022	8.362	745.2	33.12
3	12.05.2022	09.06.2022	8.352	702.3	31.21

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Job No.: CECTC/NCC/QC/2022-23

Date: 27.04.2022

TEST REPORT ON CONCRETE CUBES

Client	**: Bruhath Bangaluru Mahanagara Palike**
Agency	**: NCC Limited**
Name of the work	: White topping of Road from Sheshadripuram First Grade College To Aroma Bakery Junction via 3rd Cross Road, 1st A Main Road, 16th B Cross Road
Location	: Dairy Circle junction to chikkabommasandra junction Ch:1125 to 1173
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516(Part-1/sec-1):2021
Grade of Concrete	: M_{40}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	27.04.2022	8.298	832.2	36.99
2	20.04.2022	27.04.2022	8.274	875.6	38.92
3	20.04.2022	27.04.2022	8.296	896.8	39.86

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